


ACKNOWLEDGEMENT RECEIPT

Electronic Version

Stylesheet Version v01

| Title of Invention | Helical device for conversion of fluid potential energy to mechanical energy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--------------|--------------------------|-------------------|-----------|--------------|---|------------|--------------------------------|--------|--|------------|--|-------|------------|------------|----------------|-------|------------|----------------|--------------------------------|-----|------------|----------------|--------------------|------|------------|----------------|--------------------|-------|------------|--------------|--------------------------------|------|------------|--------------|------------------|-------|------------|--------------|------------------|-------|------------|------------------|------------------|-------|------------|------------------|-------------------------|-------|------------|------------------|----------------------|-------|------------|------------------|----------|------|------------|------------------|-------------|-------|------------|------------------|---------------------|-------|------------|
| Submission Type : Utility Patent Filing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Application Number: 10/605512  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EFS ID: 48828 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Server Response: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Confirmation Code</th><th>Message</th></tr></thead><tbody><tr><td>ISVR1</td><td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td></tr><tr><td>ICON1</td><td>2511</td></tr><tr><td>WSEC97</td><td>Filename= WAD Package BusinessRule= the Signer's certificate is not trusted: no chain found for cn=EFS5 Low Cert1,ou=Users,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US</td></tr><tr><td>WSEC97</td><td>Filename= pkgheader.xml BusinessRule= the Signer's certificate is not trusted: no chain found for cn=EFS5 Low Cert1,ou=Users,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US</td></tr></tbody></table> | | | | Confirmation Code | Message | ISVR1 | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application | ICON1 | 2511 | WSEC97 | Filename= WAD Package BusinessRule= the Signer's certificate is not trusted: no chain found for cn=EFS5 Low Cert1,ou=Users,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US | WSEC97 | Filename= pkgheader.xml BusinessRule= the Signer's certificate is not trusted: no chain found for cn=EFS5 Low Cert1,ou=Users,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Confirmation Code | Message | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ISVR1 | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICON1 | 2511 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WSEC97 | Filename= WAD Package BusinessRule= the Signer's certificate is not trusted: no chain found for cn=EFS5 Low Cert1,ou=Users,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WSEC97 | Filename= pkgheader.xml BusinessRule= the Signer's certificate is not trusted: no chain found for cn=EFS5 Low Cert1,ou=Users,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| First Named Applicant: Floyed Duncan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Attorney Docket Number: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Timestamp: 2003-10-03 23:32:24 EDT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| From: us | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| File Listing: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Doc. Name</th><th>File Name</th><th>Size (Bytes)</th><th>Date Produced (yyyymmdd)</th></tr></thead><tbody><tr><td>us-request</td><td>AquaHelixSubmission-usrequ.xml</td><td>2056</td><td>2003-10-03</td></tr><tr><td>us-request</td><td>us-request.dtd</td><td>19064</td><td>2003-10-03</td></tr><tr><td>us-request</td><td>us-request.xml</td><td>33300</td><td>2003-10-03</td></tr><tr><td>us-declaration</td><td>AquaHelixSubmission-usdecl.xml</td><td>760</td><td>2003-10-03</td></tr><tr><td>us-declaration</td><td>us-declaration.dtd</td><td>3833</td><td>2003-10-03</td></tr><tr><td>us-declaration</td><td>us-declaration.xml</td><td>10015</td><td>2003-10-03</td></tr><tr><td>us-fee-sheet</td><td>AquaHelixSubmission-usfees.xml</td><td>1522</td><td>2003-10-03</td></tr><tr><td>us-fee-sheet</td><td>us-fee-sheet.xml</td><td>24912</td><td>2003-10-03</td></tr><tr><td>us-fee-sheet</td><td>us-fee-sheet.dtd</td><td>11069</td><td>2003-10-03</td></tr><tr><td>application-body</td><td>PASATI-trans.xml</td><td>30145</td><td>2003-10-03</td></tr><tr><td>application-body</td><td>us-application-body.xml</td><td>83497</td><td>2003-10-03</td></tr><tr><td>application-body</td><td>application-body.dtd</td><td>49498</td><td>2003-10-03</td></tr><tr><td>application-body</td><td>wipo.ent</td><td>4956</td><td>2003-10-03</td></tr><tr><td>application-body</td><td>mathml2.dtd</td><td>54588</td><td>2003-10-03</td></tr><tr><td>application-body</td><td>mathml2-qname-1.mod</td><td>13225</td><td>2003-10-03</td></tr></tbody></table> | | | | Doc. Name | File Name | Size (Bytes) | Date Produced (yyyymmdd) | us-request | AquaHelixSubmission-usrequ.xml | 2056 | 2003-10-03 | us-request | us-request.dtd | 19064 | 2003-10-03 | us-request | us-request.xml | 33300 | 2003-10-03 | us-declaration | AquaHelixSubmission-usdecl.xml | 760 | 2003-10-03 | us-declaration | us-declaration.dtd | 3833 | 2003-10-03 | us-declaration | us-declaration.xml | 10015 | 2003-10-03 | us-fee-sheet | AquaHelixSubmission-usfees.xml | 1522 | 2003-10-03 | us-fee-sheet | us-fee-sheet.xml | 24912 | 2003-10-03 | us-fee-sheet | us-fee-sheet.dtd | 11069 | 2003-10-03 | application-body | PASATI-trans.xml | 30145 | 2003-10-03 | application-body | us-application-body.xml | 83497 | 2003-10-03 | application-body | application-body.dtd | 49498 | 2003-10-03 | application-body | wipo.ent | 4956 | 2003-10-03 | application-body | mathml2.dtd | 54588 | 2003-10-03 | application-body | mathml2-qname-1.mod | 13225 | 2003-10-03 |
| Doc. Name | File Name | Size (Bytes) | Date Produced (yyyymmdd) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-request | AquaHelixSubmission-usrequ.xml | 2056 | 2003-10-03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-request | us-request.dtd | 19064 | 2003-10-03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-request | us-request.xml | 33300 | 2003-10-03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-declaration | AquaHelixSubmission-usdecl.xml | 760 | 2003-10-03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-declaration | us-declaration.dtd | 3833 | 2003-10-03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-declaration | us-declaration.xml | 10015 | 2003-10-03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-fee-sheet | AquaHelixSubmission-usfees.xml | 1522 | 2003-10-03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-fee-sheet | us-fee-sheet.xml | 24912 | 2003-10-03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-fee-sheet | us-fee-sheet.dtd | 11069 | 2003-10-03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | PASATI-trans.xml | 30145 | 2003-10-03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | us-application-body.xml | 83497 | 2003-10-03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | application-body.dtd | 49498 | 2003-10-03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | wipo.ent | 4956 | 2003-10-03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | mathml2.dtd | 54588 | 2003-10-03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | mathml2-qname-1.mod | 13225 | 2003-10-03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Doc. Name | File Name | Size (Bytes) | Date Produced (yyyymmdd) |
|------------------|------------------------------|--------------|--------------------------|
| application-body | isoamsa.ent | 5191 | 2003-10-03 |
| application-body | isoamsb.ent | 3988 | 2003-10-03 |
| application-body | isoamsc.ent | 1460 | 2003-10-03 |
| application-body | isoamsn.ent | 5620 | 2003-10-03 |
| application-body | isoamso.ent | 1934 | 2003-10-03 |
| application-body | isoamsr.ent | 7073 | 2003-10-03 |
| application-body | isogr3.ent | 3559 | 2003-10-03 |
| application-body | isomfrk.ent | 4553 | 2003-10-03 |
| application-body | isomopf.ent | 2571 | 2003-10-03 |
| application-body | isomscr.ent | 4628 | 2003-10-03 |
| application-body | isotech.ent | 5268 | 2003-10-03 |
| application-body | isobox.ent | 3568 | 2003-10-03 |
| application-body | isocyr1.ent | 5345 | 2003-10-03 |
| application-body | isocyr2.ent | 2504 | 2003-10-03 |
| application-body | isodia.ent | 1508 | 2003-10-03 |
| application-body | isolat1.ent | 5282 | 2003-10-03 |
| application-body | isolat2.ent | 9007 | 2003-10-03 |
| application-body | isonum.ent | 5913 | 2003-10-03 |
| application-body | isopub.ent | 6621 | 2003-10-03 |
| application-body | mmlextra.ent | 7901 | 2003-10-03 |
| application-body | mmalias.ent | 38209 | 2003-10-03 |
| application-body | soextblx.dtd | 12870 | 2003-10-03 |
| application-body | Fig1.tif | 38340 | 2003-10-03 |
| application-body | Fig2.tif | 17004 | 2003-10-03 |
| application-body | Fig3.tif | 9392 | 2003-10-03 |
| application-body | Fig4.tif | 35672 | 2003-10-03 |
| application-body | Fig5.tif | 9368 | 2003-10-03 |
| application-body | Fig6.tif | 22924 | 2003-10-03 |
| application-body | Fig7.tif | 57696 | 2003-10-03 |
| application-body | Fig8.tif | 39772 | 2003-10-03 |
| application-body | Fig9.tif | 52568 | 2003-10-03 |
| application-body | Fig10.tif | 33896 | 2003-10-03 |
| package-data | AquaHelixSubmission-pkda.xml | 8615 | 2003-10-03 |
| package-data | package-data.dtd | 27025 | 2003-10-03 |
| package-data | us-package-data.xsl | 19263 | 2003-10-03 |
| Total files size | | 858548 | |

Message Digest:

e99a0c00b780931d3c399db30939a41a8598688b

Digital Certificate Holder
Name:

Not trusted entity.